

Sounder Beacon Visual & Audible Alarm



Key Features:

- EN54 – 3 pending approval CPD, LPC & VdS
- Ultra low current consumption
- 32 user selectable tones
- Choice of 3 volume levels
- Rated IP66 or IP45
- Installation via side & rear cable entry
- Easy push & twist lockable bayonet mounting
- Temperature range from –20 to +70°C
- Simple in & out wiring blocks
- Full range of accessories available

Product Overview:

Introducing the S&S Middle East Sounder Beacon – an advanced sleek sounder/beacon combination with the latest strobe technology for maximum efficiency.

Designed to suit a wide range of safety, fire and security applications where dual notification is essential, the S&S Middle East Sounder Beacon offers the flexibility of independent or combined operation.

Constructed from flame-retardant polymer, the unit is available in multiple base colours with a choice of five lens colour options. It features the same convenient push-and-twist bayonet mounting system as the original models, ensuring quick and easy installation.

Technical Specification:

| | |
|----------------------------|---|
| Termination: | 1 x 8 way terminal block Screw terminals for 0.28mm ² to 2.5mm ² wire conductor |
| EN54-3 Voltage Range: | 24VDC (20VDC to 28VDC) |
| Tone Current Consumption: | 9VDC to 30VDC* |
| Tone Synchronisation: | See sound output table |
| Flash Rate: | Synchronised start |
| Flash Current Consumption: | 1/sec 90mA @ 12VDC 40mA @ 24VDC |
| Operating Temperature: | ABS |
| Case Material: | Type A |
| Environment Category: | Shallow base IP45 Deep base IP66 |
| IP Rating* | |

Units meet minimum requirements of IP21C shallow base and IP33C deepbase in accordance with EN54-3

Sounder Beacon

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Installation

All installation to be carried out by a competent

person IP66 Deep Base Moulding (weatherproof).

- To maintain IP rating when using a Deep Base, use wall mounting bracket. Do not drill fixing holes in deep base. Use suitably rated 20mm cable glands to fit cables or conduit via side knock-outs. Fit 'O'-Ring seal between lens and base.

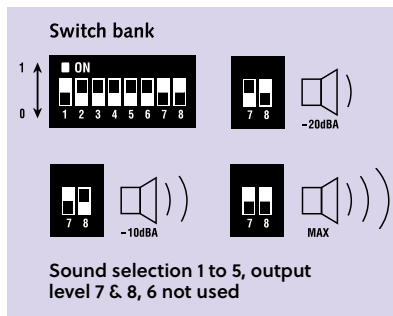
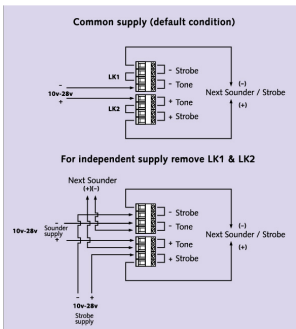
Non-IP66 Deep Base.

- Knock out the conduit/cable gland holes in side of deep base.
- Fit conduit or 20mm cable glands then screw the base to the mounting surface or BESA box.

Shallow Base Moulding.

- Drill mounting holes in the bottom of Base for screw fixings.
- Route cable through rear hole or side knock-outs.
- Screw the base to the mounting surface or BESA box. **All fixings.**
- Connect unit as shown in connection diagram (Left). Note: If independent supplies are required for the sounder and the beacon elements, remove LK1 and LK2.
- Place the sounder beacon onto the base and turn clockwise to retain.
- To remove the sounder beacon turn unit counter-clockwise.
- Where applicable, fit the security screw through the hole in the side of the lens assembly.

Connection diagram



Deep base with
IP66 mounting
accessory

Shallow base

Sound Output Table

| No. | Sound Frequencies and Patterns | code 12345 | Description | EN54-3 28Vdc see notes | Typ SPL@1m on axis | | Typ Current mA | |
|-----|---|---------------|------------------------------|------------------------------|-----------------------|-----|-------------------|-----|
| | | | | | 12V | 24V | 12V | 24V |
| 1 | 800Hz to 950Hz swept at 120Hz | 00000 | Banshee Buzz LF | - | 94 | 100 | 6 | 12 |
| 2 | 800Hz to 950Hz swept at 9Hz | 10000 | Banshee Fast Sweep LF | ✓ | 94 | 100 | 6 | 12 |
| 3 | 800Hz to 950Hz swept at 3Hz | 01000 | Banshee Slow Sweep LF | - | 94 | 100 | 6 | 12 |
| 4 | Continuous at 850Hz | 11000 | Banshee Continuous LF | - | 94 | 100 | 6 | 12 |
| 5 | 830Hz to 970Hz swept at 9Hz | 00100 | Banshee Fast Sweep LF (New) | - | 93 | 100 | 6 | 12 |
| 6 | 800Hz to 970Hz swept at 1Hz | 10100 | Medium Sweep LF | ✓ | 94 | 100 | 6 | 12 |
| 7 | Continuous at 970Hz | 01100 | Continuous LF | - | 94 | 99 | 6 | 13 |
| 8 | Intermittant at 950Hz 1sec on, 1sec off | 11100 | Backup Alarm LF | - | 93 | 99 | 7 | 14 |
| 9 | Alternating 800Hz/1000Hz, 0.5sec each sound | 00010 | Alternate LF | - | 94 | 100 | 6 | 13 |
| 10 | 800Hz/1000Hz swept at 0.5sec | 10010 | Medium Sweep LF | - | 94 | 100 | 6 | 12 |
| 11 | Alternating tones 800/950Hz at 3Hz | 01010 | Alternate LF | - | 94 | 101 | 6 | 12 |
| 12 | 2400Hz to 2900Hz at 120Hz | 11010 | Banshee buzz HF | - | 102 | 109 | 16 | 35 |
| 13 | 2400Hz to 2900Hz at 9Hz | 00110 | Banshee Fast Sweep HF | - | 103 | 110 | 17 | 35 |
| 14 | 2400Hz to 2900Hz at 3Hz | 10110 | Banshee Slow Sweep HF | - | 103 | 110 | 17 | 35 |
| 15 | Continuous 2900Hz | 01110 | Banshee Continuous HF | - | 103 | 109 | 19 | 39 |
| 16 | 2450Hz to 3100Hz swept at 9Hz | 11110 | Banshee Fast Sweep HF (New) | - | 103 | 109 | 18 | 36 |
| 17 | Intermittant at 2900Hz 1sec on, 1sec off | 00001 | Backup Alarm HF | - | 103 | 109 | 18 | 36 |
| 18 | Alternating tones 2400/2900Hz at 3Hz | 10001 | Alternate HF | - | 104 | 110 | 16 | 36 |
| 19 | 500Hz rising to 1200Hz over 3.5, silence 0.5sec | 01001 | Slow Whoop | ✓ | 95 | 101 | 6 | 12 |
| 20 | 1200Hz falling to 500Hz over 1sec, silence 10ms | 11001 | Din Tone (DK) | ✓ | 93 | 100 | 5 | 10 |
| 21 | 554Hz for 100ms and 440Hz for 400ms | 00101 | French Fire Sound | ✓ | 90 | 96 | 4 | 7 |
| 22 | 420Hz repeating 0.625sec on, 0.625sec off | 10101 | Australian Alert Signal | - | 89 | 94 | 3 | 6 |
| 23 | 500Hz rising to 1200Hz over 3.75sec on, 0.25sec off | 01101 | Australian Evacuation Signal | - | 95 | 101 | 6 | 12 |
| 24 | 950Hz for 0.5sec on 0.5sec off, for 3 phases, silence for 1.5sec | 11101 | US Temporal Tone LF | - | 93 | 99 | 5 | 10 |
| 25 | 2900Hz for 0.5sec on 0.5sec off, for 3 phases, silence for 1.5sec | 00011 | US Temporal Tone HF | - | 103 | 109 | 13 | 26 |
| 26 | Intermittant 660Hz 150ms on, 150ms off | 10011 | Swedish Tone (Fire) | - | 90 | 96 | 3 | 6 |
| 27 | Continuous 660Hz | 01011 | Swedish Tone (All Clear) | - | 91 | 97 | 5 | 9 |
| 28 | Intermittant 970Hz 500ms on, 500ms off | 11011 | ISO8201 LF | - | 90 | 96 | 5 | 10 |
| 29 | Intermittant 2900Hz 500ms on, 500ms off | 00111 | ISO8201 HF | - | 103 | 109 | 13 | 27 |
| 30 | Yodel 800Hz/1000Hz, 0.25sec each frequency | 10111 | BT Banshee (FP1063.1) | - | 94 | 100 | 6 | 12 |
| 31 | Continuous 1000Hz | 01111 | BT Banshee (FP1063.1) | - | 88 | 94 | 6 | 14 |
| 32 | Bell Tone | 11111 | Bell Tone | - | 94 | 99 | 12 | 25 |

- Volume control providing up to 20dB attenuation. All frequencies are nominal.
- Column EN54-3 shows tones approved under the construction Product Directive.
- Specifications with an * have not been verified to be EN54-3 compliant.
- Polar diagram information is available in the technical manual 85***99MD, available on request.

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